

CLAIMS

Sub A1
1. A system for generating a panoramic mosaic image pair comprising left and right panoramic mosaic images for use in facilitating panoramic stereoscopic viewing of a scene, comprising left and right panoramic image generators each configured to generate the left and right panoramic mosaic images from a series of images corresponding to respective positions, each image having a respective left and right image portion, and to mosaic portions of those images together to form the respective left and right panoramic images.

2. A system as defined in claim 1 in which each respective position corresponds to a change in angular orientation.

Sub A2
3. A system as defined in claim 1 in which each respective position corresponds to a translational position

4. A system as defined in claim 1 further comprising an image generator for generating said series of images.

5. A system as defined in claim 4 in which said image generator generates said series of images using a predetermined computer graphic technique.

1 6. A system as defined in claim 4 in which said image generator comprises a camera rig configured
2 to record images of a scene.

Sub A3 1 7. A system as defined in claim 6 in which said camera rig records said series of images, and the
2 left and right panoramic image generators utilize portions of the images in generating the left and
3 right panoramic images.

1 8. A system as defined in claim 7 in which said camera rig comprises separate image records for
separately recording images used by the left and right panoramic image generators.

2 9. A system for displaying a stereo panoramic image to a viewer, said system comprising respective
3 left and right display element configured to display left and right panoramic images of a scene to said
viewer such that one of said images is viewed by each of said viewer's eyes.

4 10. A system as defined in claim 9 in which each of said left and right display elements comprises
a display device configured to be placed in front of a respective one of the viewer's eyes, and a
display control for displaying the left and right panoramic images in registration with each other so
as to provide a stereoscopic panoramic view of the scene.

1 11. A system as defined in claim 10 in which said display control enables the viewer to control the
2 position of the panoramic view.

- 1 12. A system as defined in claim 9 in which said left and right display element includes a plurality
2 of projectors each configured to project one of said left and right panoramic images overlapping on
3 a screen, and an arrangement for facilitating transmission of a respective one of said images to each
4 of the viewer's eyes.

ADD A4

ADD
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